

MONITORING GENERAL NOTES:

The total site size is 18.5 acres. Representative sampling may be utilized on this project. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/saftey. The disturbed area are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal if it is less than or equal to 0.03 and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and ESPCP, the Department has determined that representative sampling is valid valid for the duration of the project. The table below shows the groups of similar outfall drainage basins. The increase in turbidity at the specified locations will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored feature are identified in the table below.

MONITORING SITE	PRM ARY OR ALTERNATE SITE	LOCATION (STATION AND SIDE)	NAME OF RECEIVING WATER	APPLICABLE CONSTRUCTION STAGE FOR CONSTRUCTION	SAMPLING TYPE (OUTFALL OR RECEIVING WATER)	DRAINAGE AREA (FOR THE RECEIVING WATER) (sq. miles)	SITE SIZE (acres)	W ARM OR COLD WATER STREAM?	APPENDIX B NTU VALUE (OUTFALL MONITORING ONLY)	ALLOWABLE NTU INCREASE (FOR RECEIVING WATER)	LOCATION DESCRIPTION
1	PRM ARY	STA. 122+80 LT	TRIBUTARY OF SANDY CREEK	1 & 2	OUTFALL	0.037	10.6	W ARM	50	N/A	US 29/SR 14 36" RCP
2	ALTERNATE	STA. 13+75 RT	TRIBUTARY OF SANDY CREEK	1 & 2	OUTFALL	0.003	10.6	W ARM	50	N/A	NEW NAN BYPASSEXT. DITCH OUTFALL
3	ALTERNATE	STA. 131+09 RT	PEARL LAKE	1 & 2	OUTFALL	0.009	10.6	W ARM	50	N/A	US 29/SR 14 24" RCP
4											

The primary monitored features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer located within an active phase of construction.

STREAM BUFFER AND OPEN-WATER BUFFER ENCROACHMENT

Stream Buffers, as defined by O.C.G.A 12-7-1 are impacted by this project.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

STREAM NAME OR NUMBER	LOCATION OF BUFFERED STREAMS AND STATE WATER **			STREAM TYPE W ARM OR COLD WATER	BUFFER IMPACTED (YES OR NO)	BUFFER VARIANCE REQUIRED?	DESCRIBE THE ALLOWABLE ACTIVITIES AND/OR RESTRICTIONS WITHIN THE BUFFER AND APPROXIMATE LOCATION OF IMPACTS.
	ALIGNMENT	BEGIN STATION (LEFT OR RIGHT)	END STATION (LEFT OR RIGHT)				
Stream Buffer #1	US 29/SR 14	121+80 LT	122+40 LT	Warm	YES	EXEMPT	Disturbance activities consist of associated grading to existing terrain due to removal of existing double 18" CMP and installation of 36" RCP. The allowable activities consist of contractor permitted to work within an area of 50 feet to left and right of box culvert. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary dewatering drains to prevent sediment from leaving the project and entering the buffer.
Stream Buffer #2	NEW NAN BYPASSEXT.	18+30 RT		Warm	NO	NO	The existing stream is located outside the proposed ROW and project construction limits. The contractor shall not enter this buffer.
Stream Buffer #3	US 29/SR 14	130+85 RT	131+45 RT	Warm	YES	EXEMPT	Disturbance activities consist of associated grading to existing terrain due to removal of existing 18" RCP and installation of 24" RCP. The allowable activities consist of contractor permitted to work within an area of 50 feet to left and right of box culvert. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary dewatering drains to prevent sediment from leaving the project and entering the buffer.
Open Water Boundary #4	US 29/SR 14	129+45 RT	130+90 RT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain due to full depth widening construction. This buffer will require a stream buffer because the stream buffer will be partially filled due to the location of construction limits. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary dewatering drains to prevent sediment from leaving the project. The contractor shall not perform any work in the buffer without an approved permit.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

* Warm water streams have a 25-foot minimum buffer as measured from the wretsted vegetation. Cold Water streams have a 50-foot buffer as measured from the wretsted vegetation. Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wretsted vegetation without first acquiring the necessary variances and permits.
**Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets

INSPECTING AND SAMPLING PROCRDURES

See Special Provision 167 and other contract documents for the Inspecting and Procedures.

VOID



REVISION DATES

3/28/14		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY

ESPC GENERAL NOTES

PROJECT: CSMSL-0006-00(293)
COUNTY: COWETA

DRAWING No.
51-003